WWW.LIGHTEMOTION.COM.AU

P64100RGB

User's instruction manual

This manual contains important information about the safe installation and use of this product
Please read this instruction manual carefully before installing or operating
Please keep these instructions in a safe place for future reference

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Congratulations on the purchase of your P64100RGB by Light Emotion. We are confident that you will be satisfied with your purchase. We have prepared this manual to assist you with the operation of this item.

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Please note that as part of out ongoing commitment to continuous improvement and product development, the specifications in this manual are subject to change without notice. Whilst every care has been taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement.

WHAT IS INCLUDED:

CAUTION: Do not use sharp objects whilst unpacking this product

- 1x P64100RGB
- 1x Warranty Card
- 1x User Manual

Please note: Some of the items above may be fitted to the product by the manufacturer.

SAFETY INSTRUCTIONS:

Please read these instructions carefully. It includes important information about the installation usage and maintenance of this product.

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surface. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse source.
- Secure fixture to fastening device using a safety chain.
- Maximum ambient temperature is 40˚C. Do not operate fixture at temperatures higher than this.

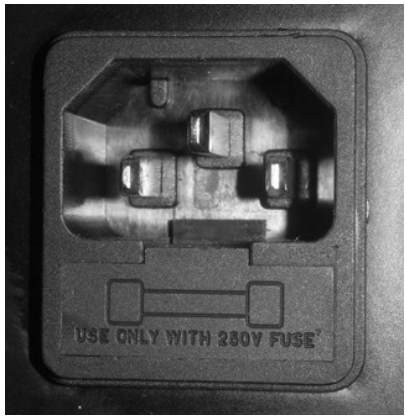
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- Never connect the device to dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.

POWER:

CAUTION:
This lighting effect is designed to operate at 240V. Power Consumption: 90W

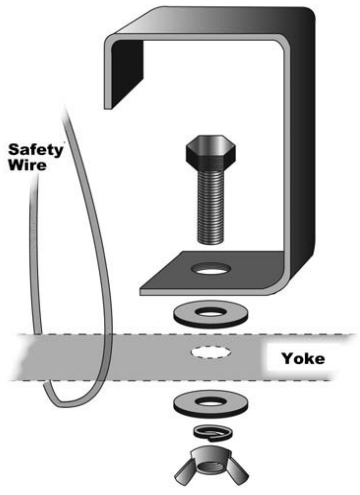
FUSE:

CAUTION:
Only use the correct fuse as specified on the rear panel of the lighting effect.
Disconnect the lighting effect from the mains before attempting to replace the fuse



NOTE:
This lighting effect has a position for a spare fuse located in the fuse holder toward the outside of the fixture
To replace the fuse please follow the following steps
1. Remove the fuse holder by levering the holder out with a screwdriver
2. Remove existing fuse
3. Fit new fuse
4. Refit the fuse holder

INSTALLATION:



CAUTION: For safe mounting read the following instructions carefully.

- Use suitable hook clamps* for hanging the lighting effect.
- Use a safety wire* with a breaking strain of more than double the lighting effect.
- Do not look directly into the light source.
- Make sure the lighting effect has suitable ventilation as per the instructions below.
- This lighting effect is intended for indoor use only.
- To avoid electrical shock keep away from rain and moisture.
- Keep unit out of reach from children.

NOTE:
Use washers* and spring washers* when attaching your hook clamp* to the yoke.
1. For installation of the hook clamps* and safety wire*.
2. This lighting effect must be 0.5m away from any flammable materials or any walls or ceilings.
3. Do not block or inhibit the air flow from the ventilation holes.

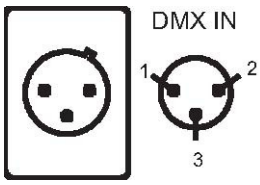
Light Emotion have various hook clamps* and safety wires* suitable for your PAR 64LED Please contact your local dealer for more information
*Not included.

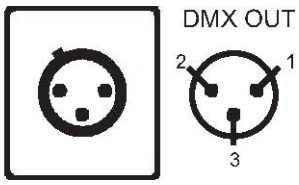
MAINTENANCE & PERIODIC CHECKS:

CAUTION:
Some maintenance and checks may require the product to be opened and should only be done by qualified persons. Warranty may be void if damage has been caused by improper maintenance.

DMX LEAD:

The DMX lead is used to link up multiple units.

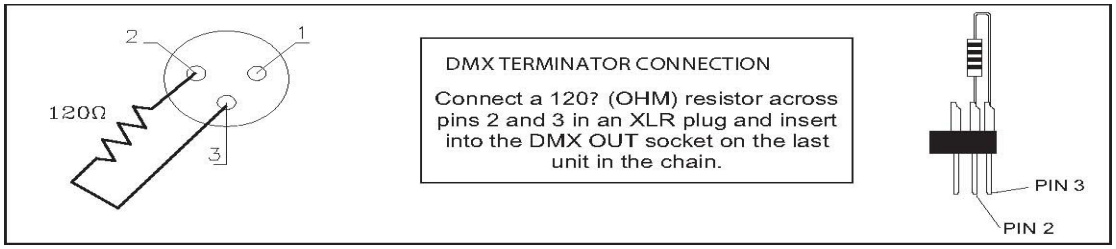




DMX512	
PIN	FUNCTION
1	GND
2	DATA
3	DATA +

DMX TERMINATOR:

A DMX terminator helps to reduce 'noise' on the DMX chain, and makes the light respond to control more accurately. It should be plugged in to the last fixture in any chain.


2
1
120Ω
3
DMX TERMINATOR CONNECTION
Connect a 120? (OHM) resistor across pins 2 and 3 in an XLR plug and insert into the DMX OUT socket on the last unit in the chain.
PIN 3
PIN 2

FEATURES:

Manual dimmer color mode
Sound active mode
Auto-run program mode
Static color select mode
Master /Slave mode
DMX mode

OPERATION:

There are six operation modes which are selected by 'MODE' button. The dot that locates at the fourth LED display letter will flick when you operate it, and the dot will automatically turn off after 60 seconds if you do not select anything. The LED display shows the current operation mode. When LED display switches off, press the 'MODE' button to switch back on again.

MODE manual	SET UP manual	UP/DOWN manual	Instruction
DMX	Address	A001~A512	Sets the DMX starting address
	Channel mode	Ch01	1 channel mode
		Ch02	2 channels mode
		Ch03	3 channels mode
		Ch3A	3A channels mode
		Ch04	4 channels mode
		Ch05	5 channels mode
		Ch06	6 channels mode
		Ch07	7 channels mode
Master/Slave	Slave mode	SLAv	Set the unit into slave mode
Dimmer	Red dimmer	r000~r255	Adjust the intensity of the red color
	Green dimmer	G000~G255	Adjust the intensity of the green color
	Blue dimmer	b000~b255	Adjust the intensity of the blue color
	Strobe	S000~S015	Adjust the flash speed, S000 is flash off, S001 is the slowest, S015 is the fastest
Sound Active	Program	Sb01~Sb08	Select the built-in sound mode
	Sensitivity select	SbA1~SbAB	Adjust the sensitivity of the sound-active,SbA1 is the lowest level,SbAB is the highest level
Auto Run	Dreaming mode	AF01~AF08	Select the built-in dreaming mode
	Jumping mode	AJ01~AJ08	Select the built-in jumping mode
	Dreaming & Jumping mode	AJAF	Set the light in auto dreaming & jumping mode, the dreaming mode and jumping mode will run in a continuous cycle
	Speed set	SP01~SP16	Adjust the speed of the dreaming/jumping mode
Static Color	Color select	CL00~CL07	Select the eight static colors
	Strobe	S000~S015	Adjust the flash speed, S000 is flash off, S001 is the slowest, S015 is the fastest
Other Function	Display on/off	bkAU	LED display always stays on
		bkAF	LED display turns off automatically after 60 seconds if there is no operation.
	Display normal/inverse	StAd	LED display normal
		dA3A	LED display inversion
	Initialization mode	dEFA	Initialize the unit at the extra factory setting

1. Manual color mode

1) Manual color select

Set up color: Press "MODE" button, select the manual color select mode. Use "UP" or "DOWN" button to set the dimming rate from 0 to 255 for Red, Green and Blue. Press "SET UP" to confirm your setting.

Set up strobe speed: Press "SET UP" to choose the flash speed select mode. At this time, the LED display displays"S00~S15". Press "UP" or "DOWN" button to select the strobe speed 00-15, 00 is flash off, 01 is the slowest flash speed, 15 is the fastest strobe speed.

2. Sound active mode

Press "MODE" button, select the sound active mode. Press the "SET UP" button to change sound active setting.

1) Set sound active program

Press "SET UP" button until LED display displays"SB01~SB08", then press "UP" or "DOWN" to select the sound active program, you have 8 choices.

2) Set sound sensitivity

Press "SET UP" button until LED display displays"SEN1~SEN8", then press "UP" or "DOWN" to select the mic sensitivity 1-8. 1 is off sound-active, 2 is the lowest sensitivity, 8 is the highest sensitivity.

3. Auto-run program mode

Press "MODE" button, select the auto-run program mode. Use "SET UP" button to choose three different groups of auto-run program.

1) Set Color dreaming program

Press "SET UP" button until LED display displays "AF01~AF08", then press "UP" or "DOWN" button to choose color dreaming program. There are 8 colors dreaming programs for you to select.

2) Set Color jumping program

Press "SET UP" button until LED display displays "AJ01~AJ08", then press "UP" or "DOWN" button to select color jumping program. There are 8 colors jumping programs for you to select.

3) Set Auto dreaming & jumping program

Press "SET UP" button until LED display displays "AH0A" to go to dreaming mode and jumping mode.

4) Set auto-run speed

Press "SET UP" button until LED display displays"SP01~SP16". Press "UP" or "DOWN" button to select auto-run color change speed from 01 to 16, 01 is the slowest speed,16 is the fastest speed.

4. Static color mode

Press "MODE" button, select the static color mode.

1) Set static color

Press "SET UP" button until LED display displays"CL00~CL07", then press "UP" or "DOWN" to select your static color. There are 7 colors for you to select.

2) Strobe speed select

Press "SET UP" button until LED display displays"S00~S15", then press "UP" or "DOWN" button to select the static color strobe speed 00-15, 00 is flash off, 01 is the slowest flash speed, 15 is the fastest flash speed.

5. Other function

1) Display on / off

Press “SET UP” button to find "bbAb"(LED display always on) or "bbAA"(LED display turns off automatically after 60 seconds if there is no operation), press UP or DOWN to select display on or off.

2) Display normal / inversion

Press “SET UP” button, select display normal/inversion. Press UP or DOWN to select LED display normal or reverse 180 degree. "nAnb" means display normal and "AAbb"means display had been reversed.

3) Initialization select mode

Press “SET UP” button until LED control panel displays"bEAA" and flicker. Then press UP button and DOWN button at the same time to initialize to original factory setting (1st color jumping mode, control panel should display"A001".)

6. Master/slave

Press "MODE" button, select Master/salve mode. When LED control panel displays "SLAb", it is in slave mode.

7. DMX mode

1) Set DMX address

The control Board allows you to assign the DMX address which is defined as the first channel of the unit .Press “MODE” button until LED control panel displays “A001~A512”, press UP or DOWN to set the DMX address. The LED control panel should flick when there is no controller signal.

2) DMX setting

Press “SET UP” button until it displays“CH01~CH07”, then press UP or DOWN to set 8 DMX channel mode.

- CH01: 1 channel mode

CH1	
000-031	Off
032-063	Red
064-095	Green
096-127	Blue
128-159	Yellow
160-191	Purple
192-223	Cyan
224-255	White

- CH02: 2 channels mode

Channel	Value	Function
1	000-031	Off
	032-063	Red
	064-095	Green
	096-127	Blue
	128-159	Yellow
	160-191	Purple
	192-223	Cyan
	224-255	White
2	0 - 255	MASTER DIMMER 0% - 100%

- CH03: 3 channels mode

Channel	Value	Function
1	000-031	Off
	032-063	Red
	064-095	Green
	096-127	Blue
	128-159	Yellow
	160-191	Purple
	192-223	Cyan
	224-255	White
2	0 - 255	MASTER DIMMER 0% - 100%
3	0-15	STROBING OFF
	16-255	STROBING SLOW - FAST

- CH3A: 3A channels mode

Channel	Value	Function
1	0-255	RED 0% - 100%
2	0-255	GREEN 0% - 100%
3	0-255	BLUE 0% - 100%

- CH04: 4 channels mode

Channel	Value	Function
1	0-255	RED 0% - 100%
2	0-255	GREEN 0% - 100%
3	0-255	BLUE 0% - 100%
4	0-255	MASTER DIMMER 0% - 100%

- CH05: 5 channels mode

Channel	Value	Function		
4	000-255	MASTER DIMMER 0% - 100%		
5	000-031	Channel	Value	Function
		1	0-255	RED 0% - 100%
		2	0-255	GREEN 0% - 100%
		3	0-255	BLUE 0% - 100%
	032-063	Channel 1, 2 & 3 N/L		Red
	064-095			Green
	096-127			Blue
	128-159			Yellow
	160-191			Purple
	192-223			Cyan
	224-255			White

- CH06: 6 channels mode

Channel	Value	Function		
4	000-255	MASTER DIMMER 0% - 100%		
5	0-15	STROBING OFF		
	16-255	STROBING SLOW - FAST		
6	000-031	Channel	Value	Function
		1	0-255	RED 0% - 100%
		2	0-255	GREEN 0% - 100%
		3	0-255	BLUE 0% - 100%
	032-063	Channel 1, 2 & 3 N/L		Red
	064-095			Green
	096-127			Blue
	128-159			Yellow
	160-191			Purple
	192-223			Cyan
	224-255			White

- CH07: 7 channels mode

<table>
<tr><th colspan="10">FUNCTION</th></tr>
<tr><th>CH1</th><th>CH2</th><th>CH3</th><th>CH4</th><th>CH5</th><th>CH6</th><th colspan="4">CH7</th></tr>
<tr><td>Red
0-255
(dim→
bright)</td><td>Green
0-255
(dim
→
bright)</td><td>Blue
0-255
(dim→
bright)</td><td rowspan="26">Master
Dimming
0-255
(dim→
bright)</td><td rowspan="9">Strobe Off
(0-16)

Strobe
slowest to
fastest
(16-255)</td><td rowspan="9">Dimmer
mode
(0-51)</td><td colspan="4" rowspan="9">N/L</td></tr>
<tr><td rowspan="25" colspan="3">N/L</td></tr>
<tr><td rowspan="8">Static
color
mode
(52-102)</td><td>000-031</td><td>Off</td></tr>
<tr><td>032-063</td><td>Red</td></tr>
<tr><td>064-095</td><td>Green</td></tr>
<tr><td>096-127</td><td>Blue</td></tr>
<tr><td>128-159</td><td>Yellow</td></tr>
<tr><td>160-191</td><td>Purple</td></tr>
<tr><td>192-223</td><td>Cyan</td></tr>
<tr><td>224-255</td><td>White</td></tr>
<tr><td rowspan="8">Speed 0-255
(slow→fast)</td><td rowspan="8">Color
jumping
mode
(103-153)</td><td>000-031</td><td>Jumping 1</td></tr>
<tr><td>032-063</td><td>Jumping 2</td></tr>
<tr><td>064-095</td><td>Jumping 3</td></tr>
<tr><td>096-127</td><td>Jumping 4</td></tr>
<tr><td>128-159</td><td>Jumping 5</td></tr>
<tr><td>160-191</td><td>Jumping 6</td></tr>
<tr><td>192-223</td><td>Jumping 7</td></tr>
<tr><td>224-255</td><td>Jumping 8</td></tr>
<tr><td rowspan="8">Color
dreaming
mode
(154-204)</td><td>000-031</td><td>Dreaming 1</td></tr>
<tr><td>032-063</td><td>Dreaming 2</td></tr>
<tr><td>064-095</td><td>Dreaming 3</td></tr>
<tr><td>096-127</td><td>Dreaming 4</td></tr>
<tr><td>128-159</td><td>Dreaming 5</td></tr>
<tr><td>160-191</td><td>Dreaming 6</td></tr>
<tr><td>192-223</td><td>Dreaming 7</td></tr>
<tr><td>224-255</td><td>Dreaming 8</td></tr>
<tr><td rowspan="4">N/L
(0-31)</td><td rowspan="8">Sound
active
mode
(205-255)</td><td>000-031</td><td>Sound 1</td></tr>
<tr><td>032-063</td><td>Sound 2</td></tr>
<tr><td>064-095</td><td>Sound 3</td></tr>
<tr><td>096-127</td><td>Sound 4</td></tr>
<tr><td rowspan="4">Sensitivity
(32-255
insensitive→
sensitive)</td><td>128-159</td><td>Sound 5</td></tr>
<tr><td>160-191</td><td>Sound 6</td></tr>
<tr><td>192-223</td><td>Sound 7</td></tr>
<tr><td>224-255</td><td>Sound 8</td></tr>
</table>

SPECIFICATIONS:

- Power input: AC 90V-240V/50HZ-60HZ
- Wattage: 90W
- LEDs: 1PC 100W (RGB 3 in 1) COB LED
- Beam angle of LEDs: 85 degree, 40 degree as accessory
- 3-pin female XLR socket and 3-pin male XLR socket
- DMX mode: 8
- Built-in microphone
- Four button LED digit display
- Power cord daisy chain:7 fixtures max
- Weight: 3.2 kg
- Size: 330 x 245 x 192mm